

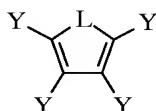
Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. cancelled

2. (currently amended) A compound ~~according to claim 1~~ corresponding to the formula,



wherein L is -O-, -S-, -N=N-, -C(O)-, -(SO₂)-, or -OC(O)- ;

Y is independently in each occurrence hydrogen, halogen, an unsubstituted or inertly substituted hydrocarbyl group, Y', or two adjacent Y groups together with the carbons to which they are attached form a fused aromatic ring,

Y' is a single covalent bond or a divalent derivative of an unsubstituted or inertly substituted hydrocarbyl group joining two or more divalent remnants of the foregoing structure,

and in at least one occurrence, Y is -Y''(-C≡CR¹)_m, and in at least one other occurrence, Y is -Y''-(C≡CR²)_n; or

in at least one occurrence, Y is -Y''(-C≡CR¹)_m(C≡CR²)_n; wherein,

Y'' is a single covalent bond or a polyvalent derivative of an unsubstituted or inertly substituted hydrocarbyl group;

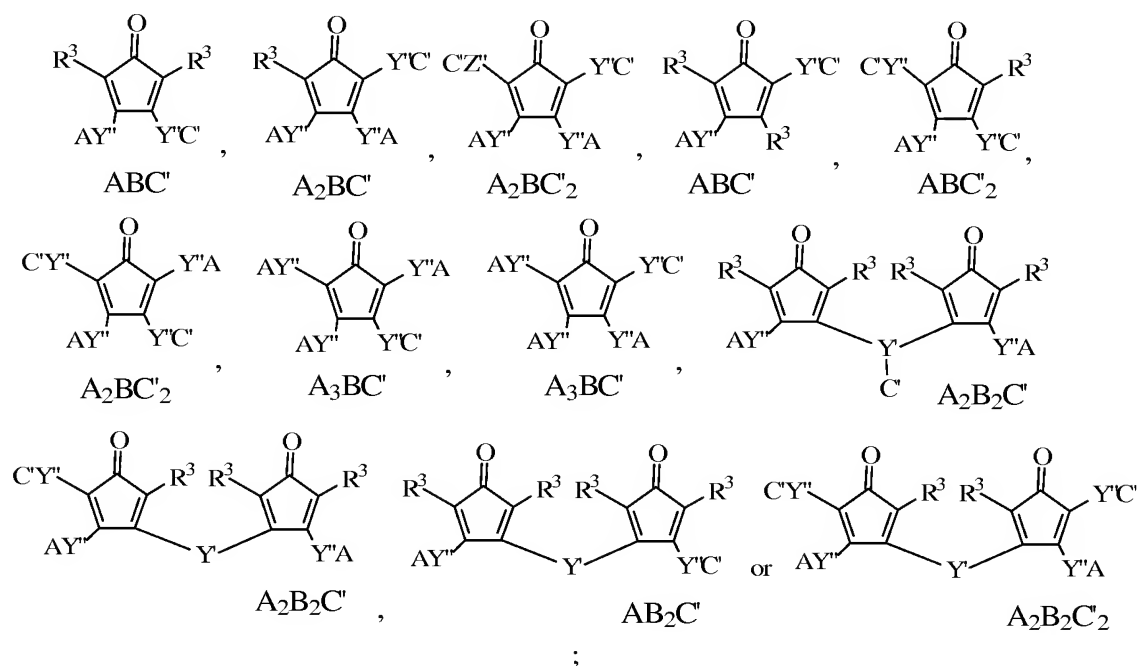
R¹ is C₆₋₂₀ aryl;

R² is hydrogen, C₁₋₆ alkyl, C₁₋₆ hydroxyalkyl, or trimethylsilyl; and

m and n are integers from 1 to 5.

Claims 3-7 (cancelled)

8. (new) A compound corresponding to the formula:

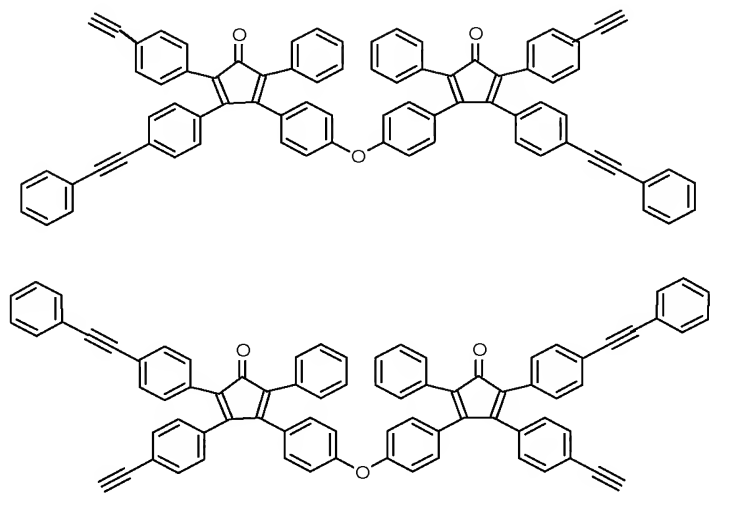


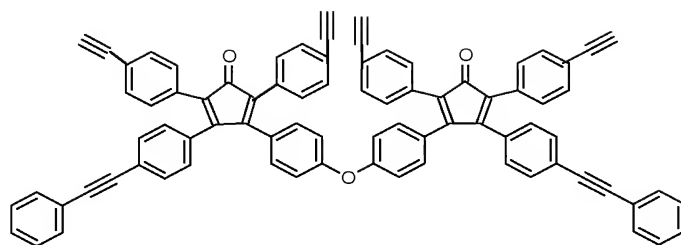
wherein R^3 is C_{6-20} aryl or inertly substituted aryl;

C' is $-C\equiv CR^2$, A is arylethynyl, and Y' and Y'' are as defined in claim 2.

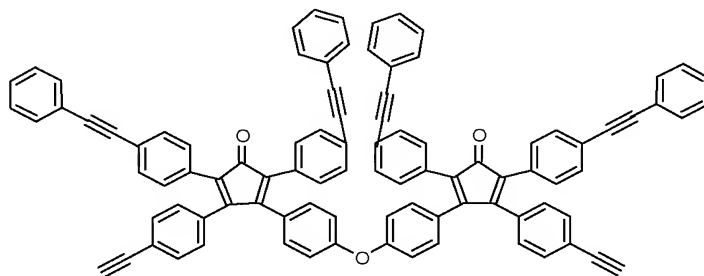
9. (new) A compound according to claim 2 wherein R^1 is phenyl and R^2 is hydrogen at each occurrence.

10. (new) A compound according to claim 9 corresponding to the formula:

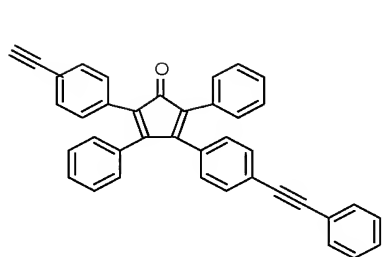




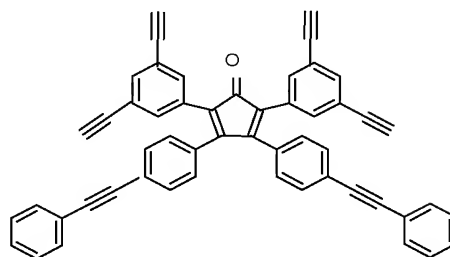
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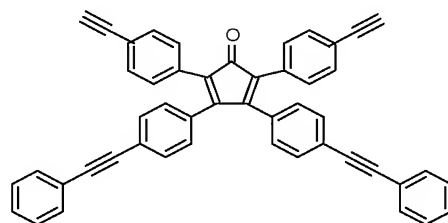
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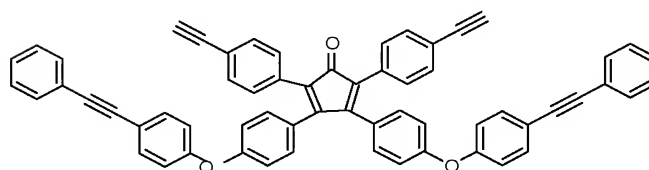
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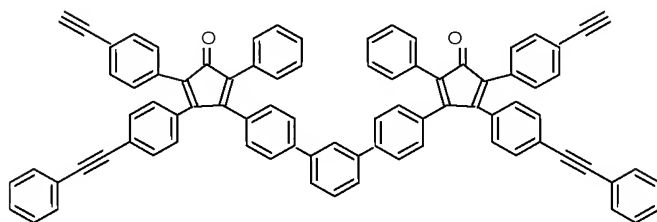
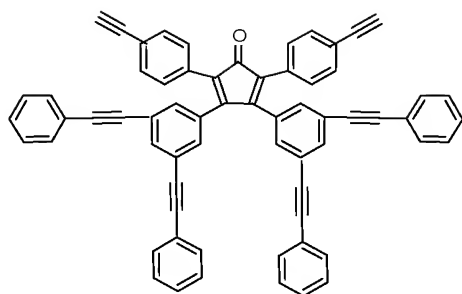
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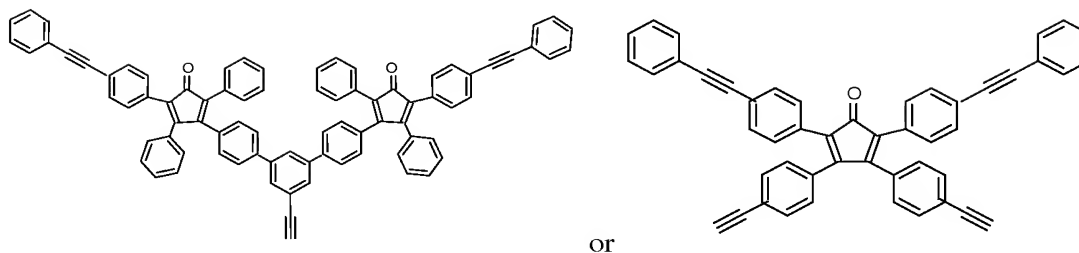
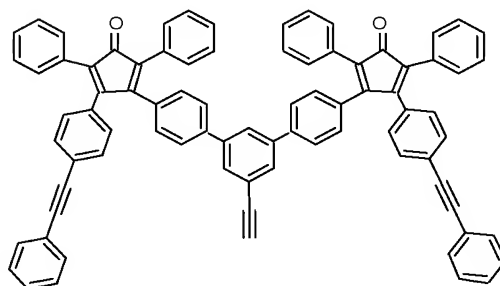
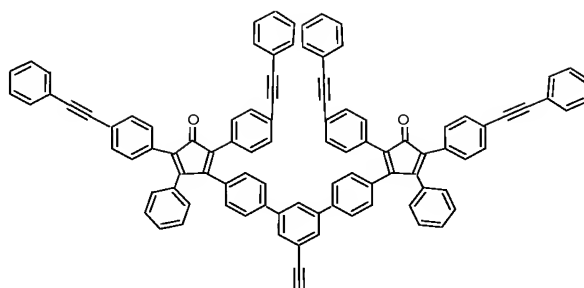


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or

11. (new) A cross-linked polymer formed by curing a composition comprising a compound according to claim 2.

12. (new) A crosslinked polymer formed by curing a composition comprising a compound according to claim 10.

13. (new) A composition comprising a cross-linked polymer according to claim 11 and a poragen.

14. (new) A porous matrix formed by removing the poragen from the cross-linked polymer of claim 13.